

6555344

FIG.1

SREB 1 **M**A**N**A**S**E**P****G****G****S****G****G****E****A****A****A****L****G** --- **E****K****L****A****T****L****S****E****L****L****C****V****S****L****A****G****N** 36
SREB 2 **M**A**N****Y****S****H****A****D****N****I****L****Q****N** **L****S****P** --- **L****T****A****F****L****K****L****T****S****L****G****F****I****I****G****V****S****V****G****N** 38
SREB 3 **M**A**N****T****T****G****E****P****E****E****V****S****G****A****L****S****P****P****S****A****S****A****Y****V****K****L****V****L****L****G****L****I****M****C****V****S****L****A****G****N** 40

SREB 1 **V****L****F****A****L****L****I****V****R****E****R****S****L****H****R****A****P****Y****Y****L****L****D****L****C****L****A****D****G****L****R****A****L****A****C****L****P****A****V****M** 76
SREB 2 **L****L****I****S****I****L****L****V****K****D****K****T****L****H****R****A****P****Y****Y****F****L****L****D****L****C****C****S****D****I****L****R****S****A****I****I****C****F****P****F****V****F** 78
SREB 3 **A****I****L****S****L****L****V****L****K****E****R****A****L****H****K****A****P****Y****Y****F****L****L****D****L****C****L****A****D****G****I****R****S****A****V****C****F****P****F****V****L** 80

SREB 1 **L****A****A****R****R****A****A****A****A****G****A****P****P** **G****A****L****G****C****K****L****L****A****F****L****A****A****L****F****C****F****H****A****A****F****L****L****L****G****V** 116
SREB 2 **N****S****V****K****N****G****S****T****W****T****Y** --- **G****T****L****T****C****K****V****I****A****F****L****G****V****L****S****C****F****H****T****A****F****M****L****F****C****I** 115
SREB 3 **A****S****V****R****H****G****S****S****W****T****F** --- **S****A****L****S****C****K****I****V****A****F****M****A****V****L****F****C****F****H****A****A****F****M****L****F****C****I** 117

SREB 1 **G****V****T****R****Y****L****A****I****A****H****H****R****F****Y****A****E****R****L****A****G****W****P****C****A****A****M****L****V****C****A****A****W****A****L****A****L****A****A****F** 156
SREB 2 **S****V****T****R****Y****L****A****I****A****H****H****R****F****Y****T****K****R****L****T****F****W****T****C****L****A****V** - **I****C****M****V****W****T****L****S****V****A****M****A****F** 154
SREB 3 **S****V****T****R****Y****M****A****I****A****H****H****R****F****Y****A****K****R****M****T****L****W****T****C****A****V** - **I****C****M****A****W****T****L****S****V****A****M****A****F** 156

SREB 1 **P****P****V****L****D****G****G** --- **D****D****E****D****A****P****C****A****L****E****Q****R****P****D****G****A****P****G****A****L****G****F****L****L****L****A****V****V** 193
SREB 2 **P****P****V****L****D****V****G****T****Y****S****F****I****R****E****E****D****Q****C****T****F****Q****H****R****S****F****R****A****N****D****S****L****G****F****M****L****L****A****L****I** 194
SREB 3 **P****P****V****F****D****V****G****T****Y****K****F****I****R****E****E****D****Q****C****I****F****E****H****R****Y****F****K****A****N****D****T****L****G****F****M****L****M****L****A****V****L** 196

SREB 1 **V****G****A****T****H****L****V****Y****L****R****L****L****F****F** **I****H****D****R****R****K****M****R****P****A****R****L****V****P****A****V****S****H****D****W****T****F****H****G****P** 233
SREB 2 **L****L****A****T****Q****L****V****Y****L****K****L****I****F****F****V****H****D****R****R****K****M****K****P****V****Q****F****V****V****A****V****S****Q****N****W****T****F****H****G****P** 234
SREB 3 **M****A****A****T****H****A****V****Y****G****K****L****L****F****E****Y****R****H****R****K****M****K****P****V****Q****M****V****P****A****I****S****O****N****W****T****F****H****G****P** 236

SREB 1 **A****T****G****Q****A****A****A****N****W** **T****A****G****F****G****R****G****P****T****P****A****L****V****G****I****R****P****A****G****P****G****R****G****A****R****R****L****L****V****L** 273
SREB 2 **A****S****G****Q****A****A****A****N****W****L** **T****A****G****F****G****R****G****P****T****P****P****T****L****L****G****I****R****Q****N****A****N****T****T****G****R****R****R****L****L****V****L** 274
SREB 3 **A****T****G****Q****A****A****A****N****W****I** **T****A****G****F****G****R****G****P****M****P****P****T****L****L****G****I****R****O****N****G****H****A****A****S****R****R****-****L****L****G****M** 275

SREB 1 **E****E****F****K****T****E****K****R****L****C****K****M****F****Y****A****V** **T****L****L****F****L****L****W****G****P****Y****V****V****A****S****Y****L****R****V****L****V****R****P****G** 313
SREB 2 **D****E****F****K****M****E****K****R****I****S****R****M****F****Y****I****M** **T****E****L****F****L****T****L****W****G****P****Y****L****V****A****C****Y****W****R****V****F****A****R****G****P** 314
SREB 3 **D****E****V****K****G****E****K****Q****L****G****R****M****F****Y****A****I** **T****L****L****F****L****L****W****S****P****Y****I****V****A****C****Y****W****R****V****F****V****K****A****C** 315

SREB 1 **A****V****P****Q****A****Y****L****T****A****S****V****W****L****T****F****A****Q****A****G****I****N****P****V** **V****C****F****L****F****N****R****E****L****R****D****C****F****R****A****Q****F** 353
SREB 2 **V****V****P****G****G****F****L****T****A****V****W****M****S****F****A****Q****A****G****I****N****P****F** **V****C****I****F****S****N****R****E****L****R****R****C****F****S****T****T****L** 354
SREB 3 **A****V****P****H****R****Y****L****A****T****A****V****W****M****S****F****A****Q****A****V****N****P****I** **V****C****F****L****L****N****K****D****L****K****K****C****L****R****T****H****A** 355

SREB 1 **P****C****C****Q****S****P****R****T****T****Q****A****T****H****P****-****-****C****D****L****K****G****I****G****L****.** 376
SREB 2 **L****Y****C****R****K****S****-****-****R****L****P****R****E****P****Y****C****-****-****-****V****I****.** 371
SREB 3 **P****-****C****W****G****T****G****G****A****P****A****P****R****E****P****Y****C****-****-****-****V****M****.** 374

FIG.2

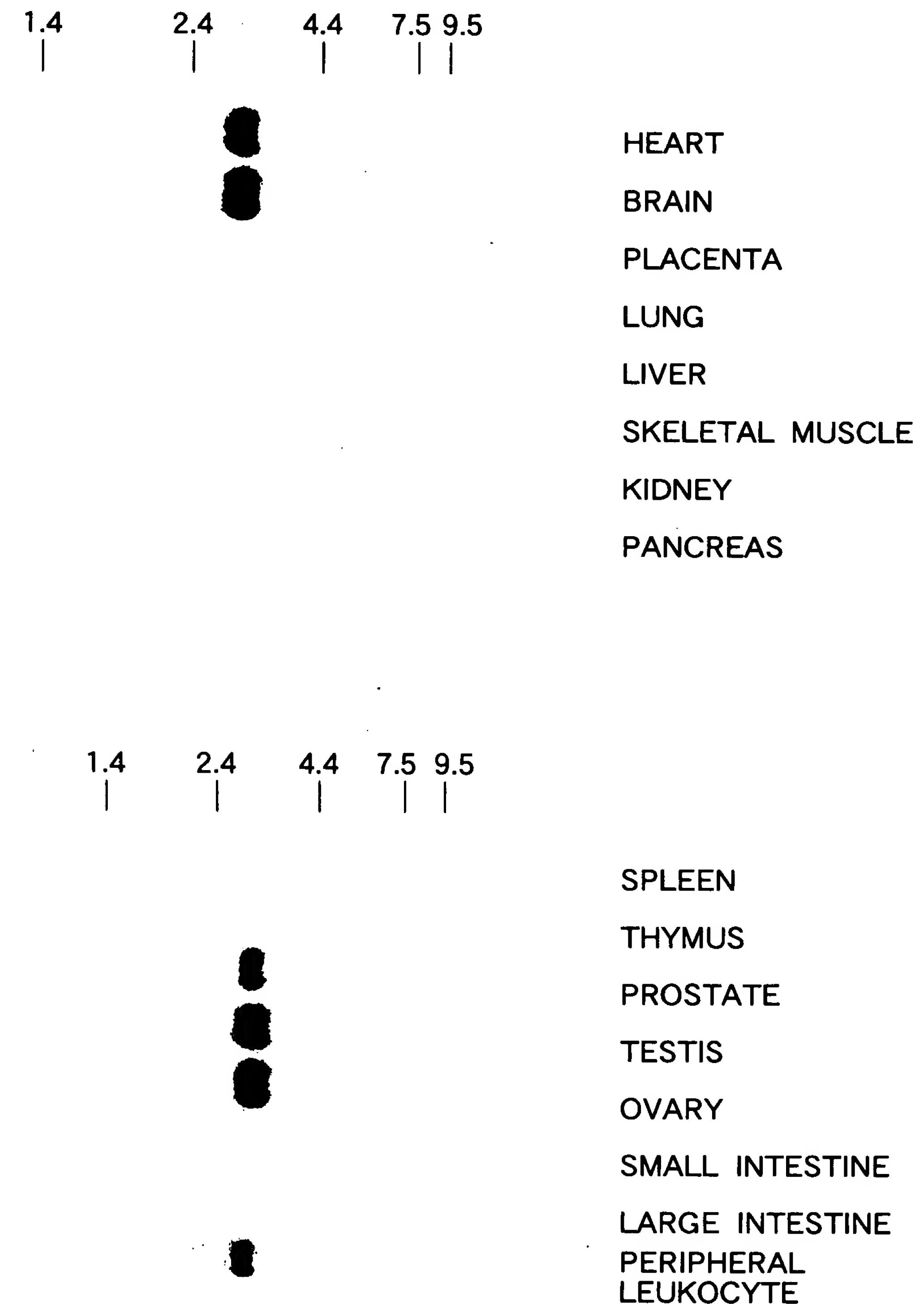


FIG.3

1.4

2.4

4.4

7.5

9.5



AMYGDALA

CAUDATE NUCLEUS

CORPUS CALLOSUM

HIPPOCAMPUS

WHOLE BRAIN

SUBSTANIA NIGRA

SUBTHALAMIC
NUCLEUS

THALAMUS

1.4

2.4

4.4

7.5

9.5



CEREBELLUM

CEREBRAL CORTEX

MEDULLA

SPINAL CORD

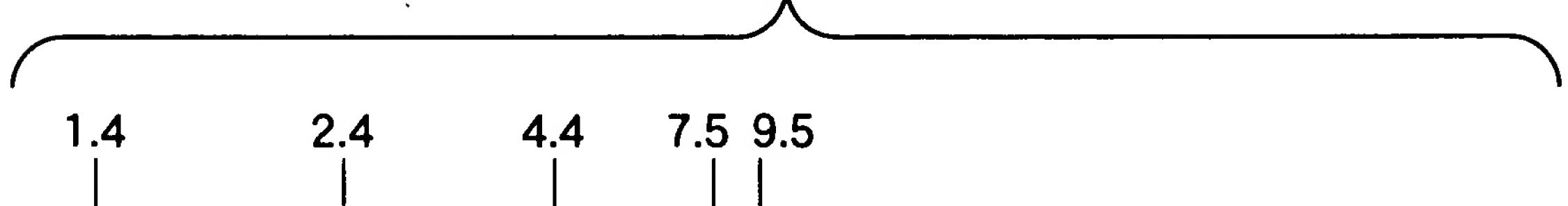
OCCIPITAL LOBE

FRONTAL LOBE

TEMPORAL LOBE

PUTAMEN

FIG.4



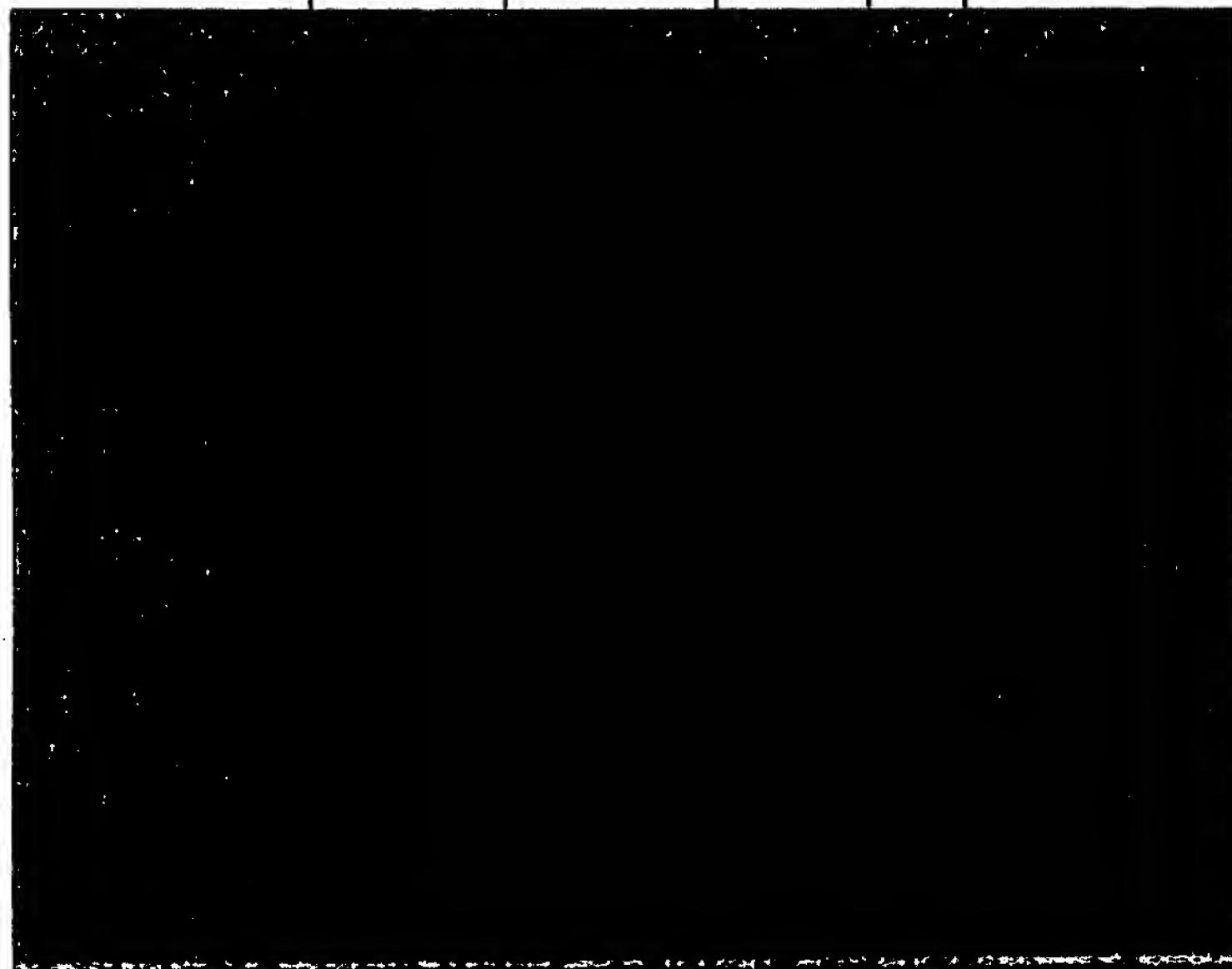
HEART
BRAIN
PLACENTA
LUNG
LIVER
SKELETAL MUSCLE
KIDNEY
PANCREAS



SPLEEN
THYMUS
PROSTATE
TESTIS
OVARY
SMALL INTESTINE
LARGE INTESTINE
PERIPHERAL
LEUKOCYTE

FIG.5

1.4 2.4 4.4 7.5 9.5



1.4 2.4 4.4 7.5 9.5

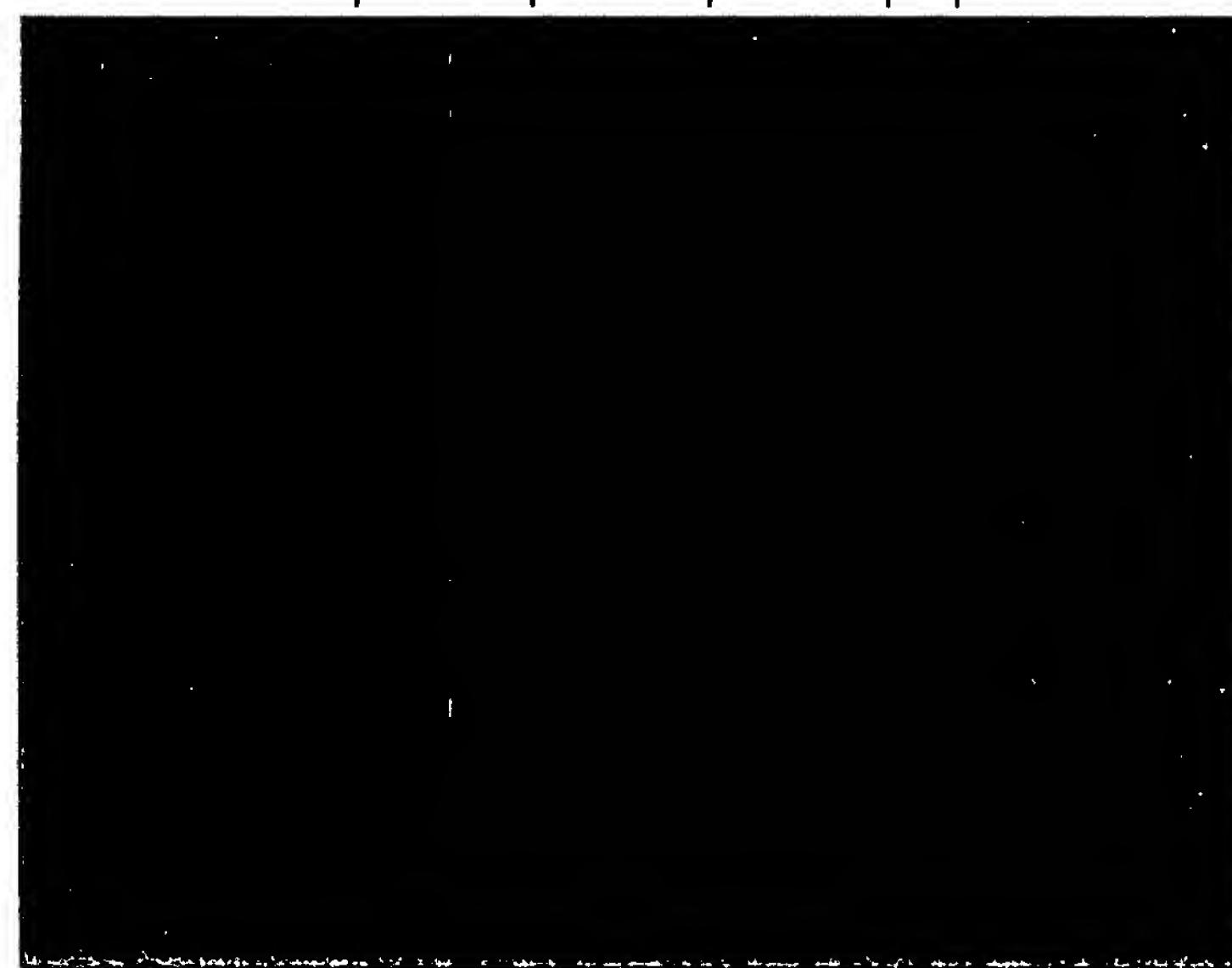
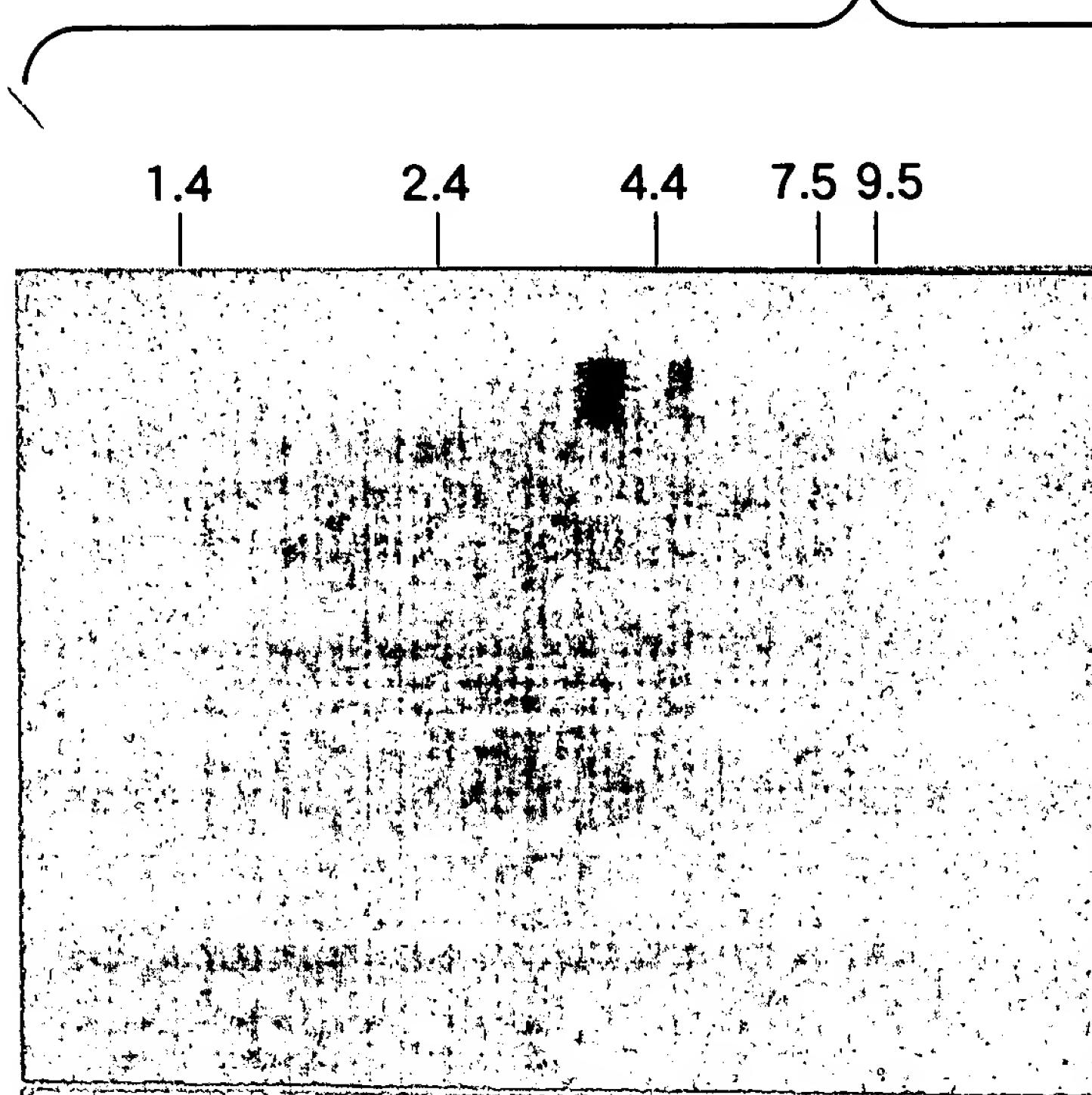
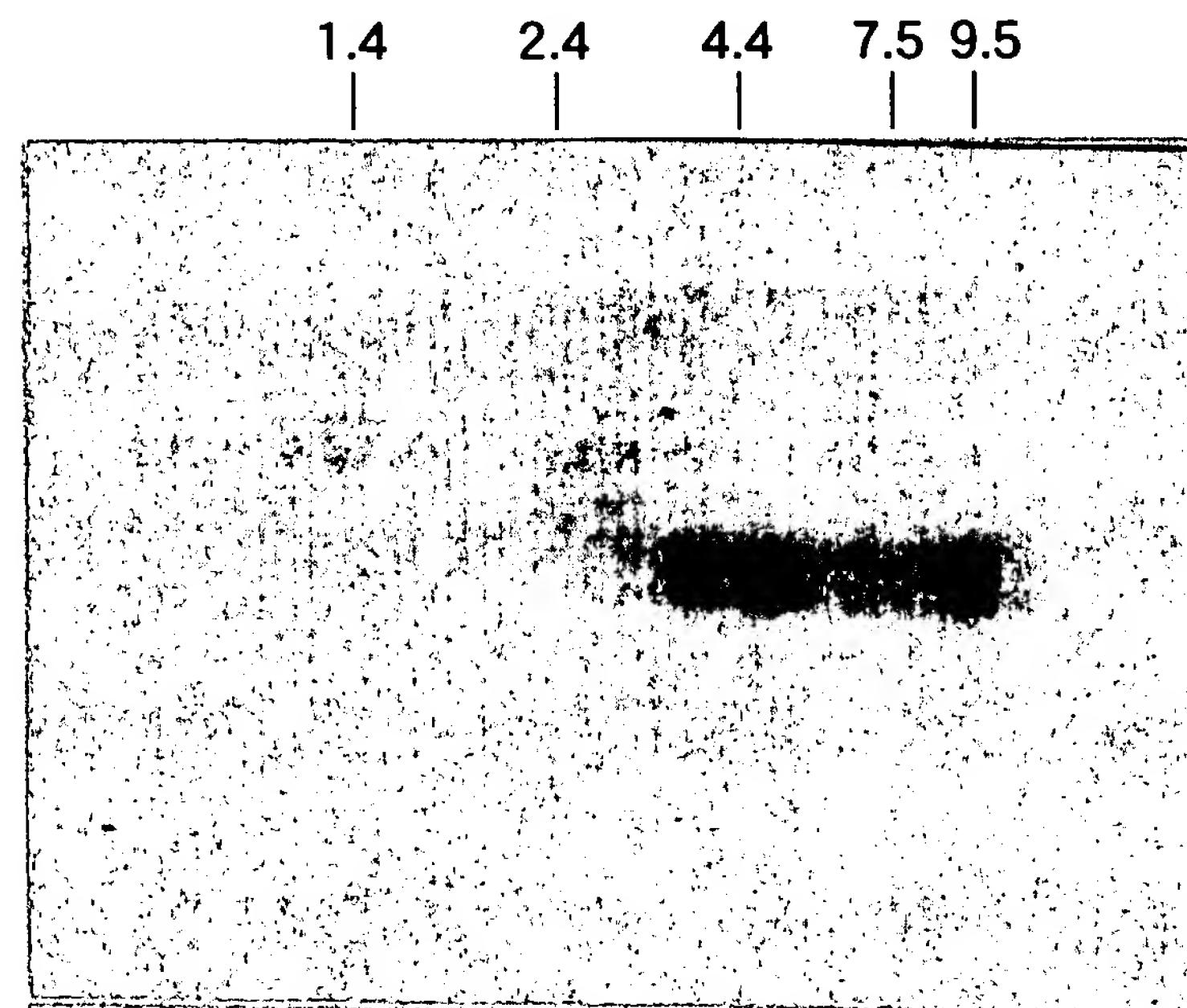


FIG.6

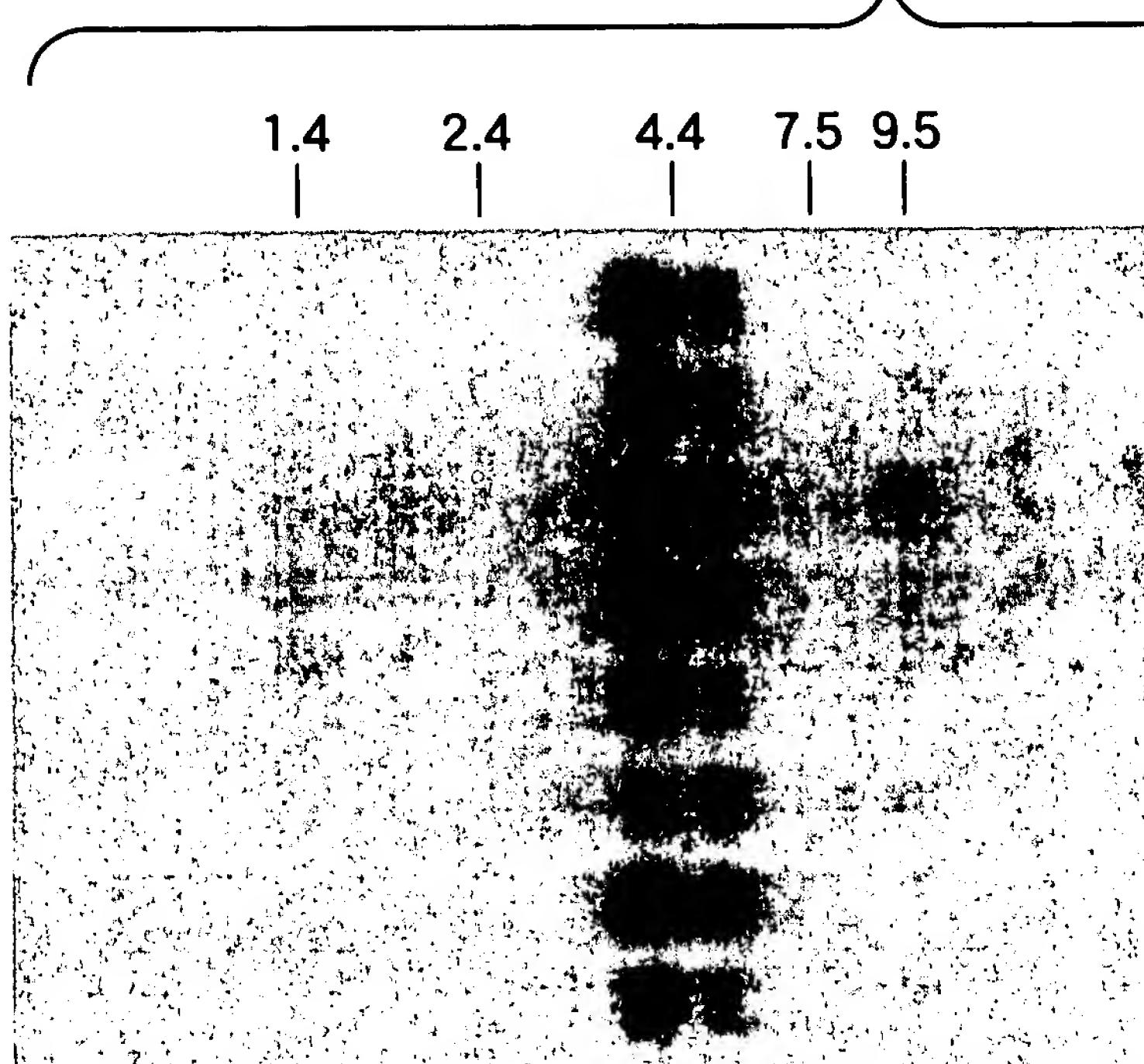


HEART
BRAIN
PLACENTA
LUNG
LIVER
SKELETAL MUSCLE
KIDNEY
PANCREAS

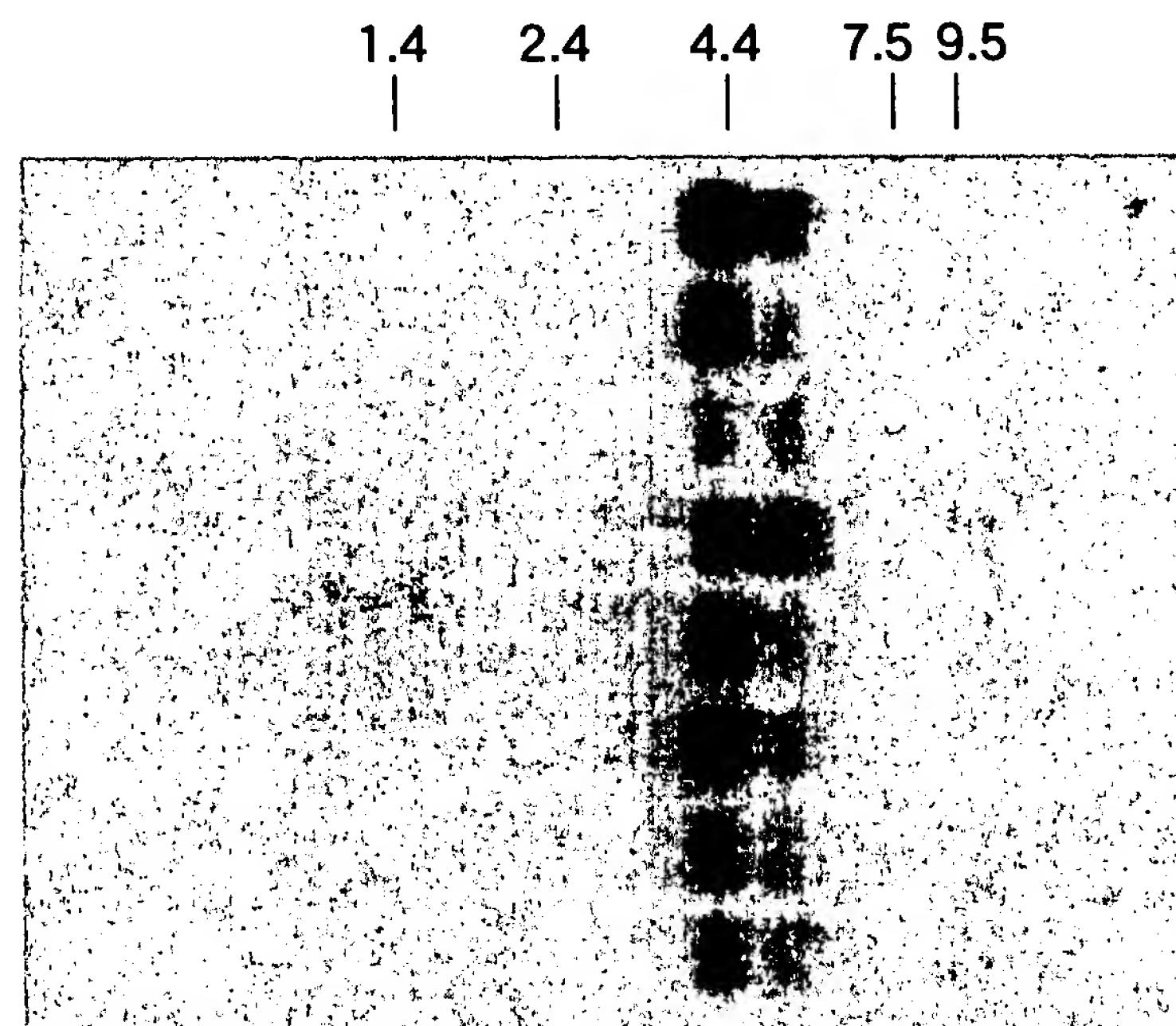


SPLEEN
THYMUS
PROSTATE
TESTIS
OVARY
SMALL INTESTINE
LARGE INTESTINE
PERIPHERAL
LEUKOCYTE

FIG.7

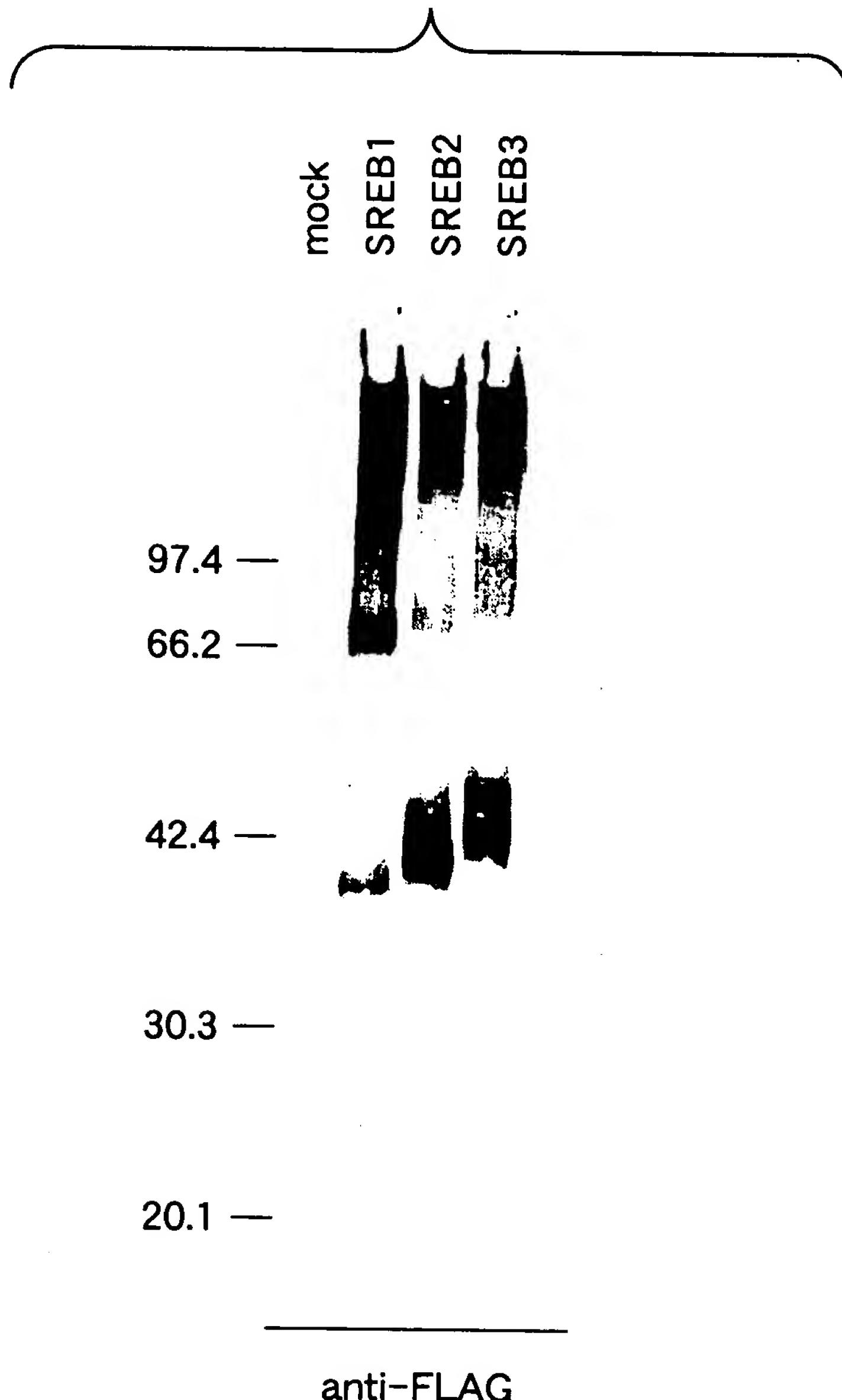


AMYGDALA
CAUDATE NUCLEUS
CORPUS CALLOSUM
HIPPOCAMPUS
WHOLE BRAIN
SUBSTANIA NIGRA
SUBTHALAMIC NUCLEUS
THALAMUS



CEREBELLUM
CEREBRAL CORTEX
MEDULLA
SPINAL CORD
OCCIPITAL LOBE
FRONTAL LOBE
TEMPORAL LOBE
PUTAMEN

FIG.8

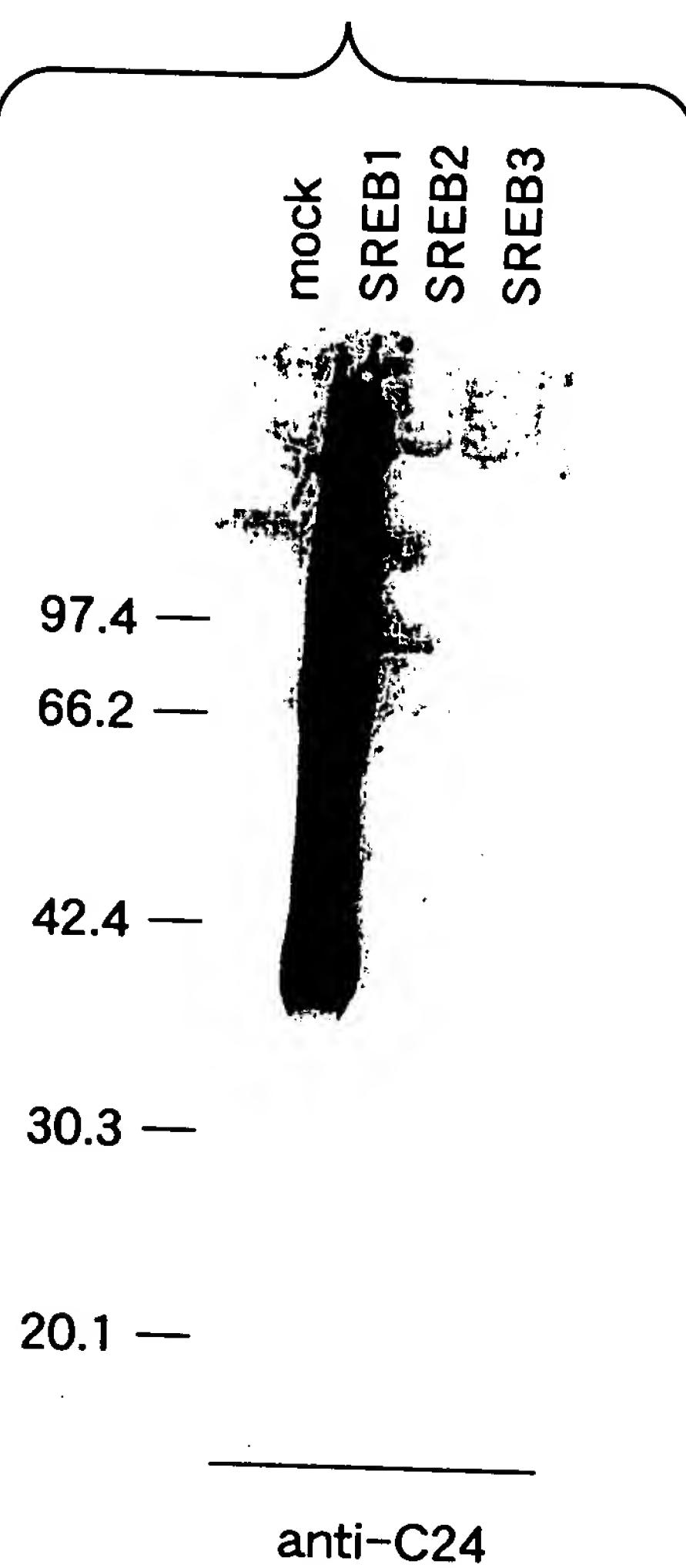


NOVEL G PROTEIN-COUPLED RECEPTOR PROTEINS
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FIG.9



FIG.10



anti-3LO

anti-C24

FIG.11

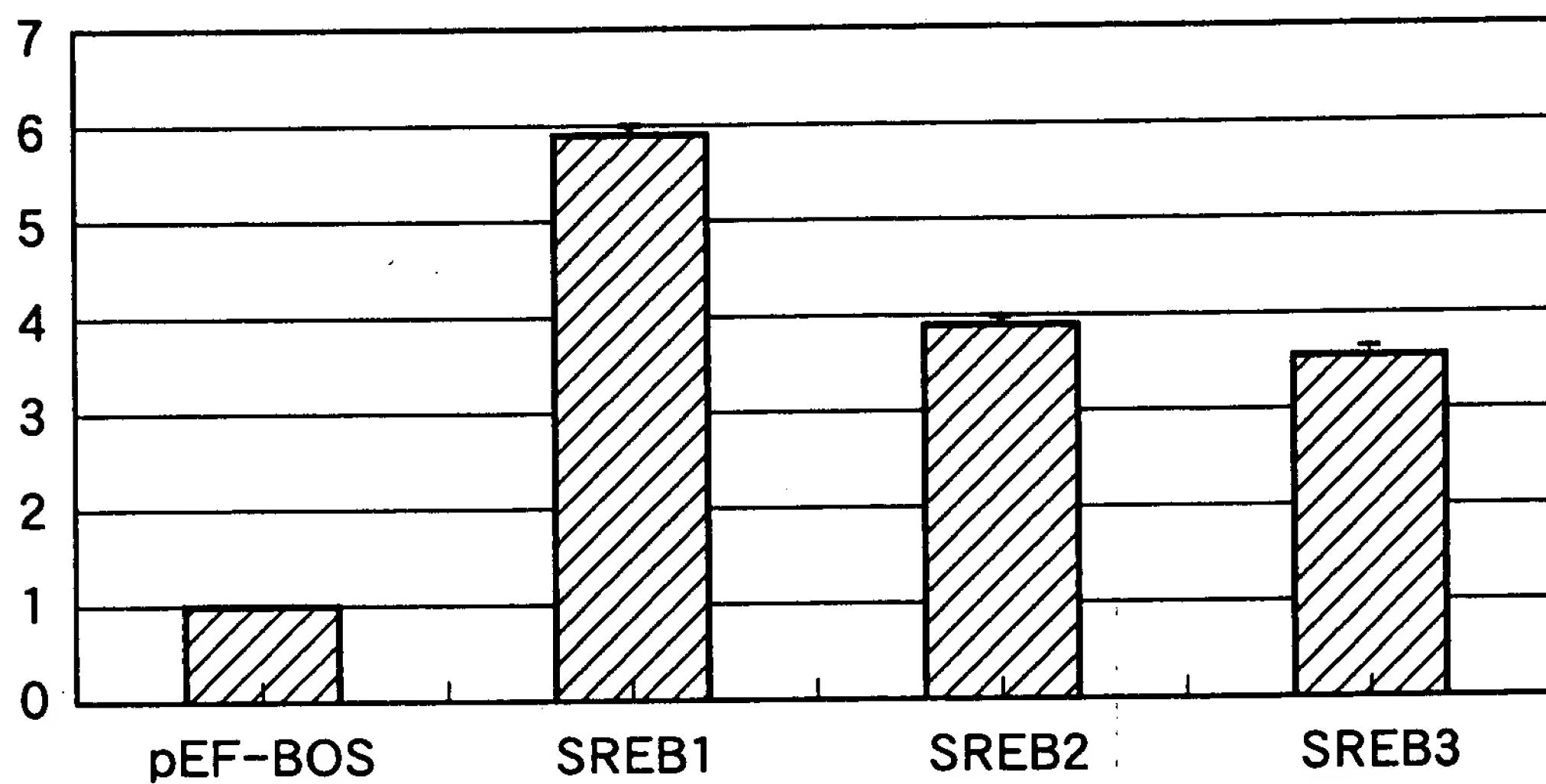


FIG.12

